



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name: Smarr Energy Facility
Facility Address: 1077 Rumble Road
Smarr, Georgia 31086 Monroe County
Mailing Address: 2100 East Exchange Place
Tucker, Georgia 30084-5336
Parent/Holding Company: Smarr EMC
Facility AIRS Number: 04-13-207-00030

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued an amendment to the Part 70 Operating Permit for:

The replacement of 10.8 MMBtu/hr natural gas-fired fuel gas heater (H001) with 6.0 MMBtu/hr natural gas-fired heater (H001).

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. **4911-207-0030-V-08-0**. Unless modified or revoked, this Amendment expires simultaneously with Permit No. **4911-207-0030-V-08-0**. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. **615251** dated **March 28, 2022**; any other applications upon which this Amendment or Permit No. **4911-207-0030-V-08-0** are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **4** pages.



Richard E. Dunn, Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION**1.3 Process Description of Modification**

Smarr Energy Facility is currently permitted to operate two natural gas-fired simple-cycle combustion turbines (Unit IDs: T001 and T002), a natural gas-fired fuel heater (Unit ID: H001), and a diesel-fired emergency generator engine (Unit ID: GEN1) under Permit No. 4911-207-0030-V-08-0.

On December 18, 2020, Smarr Energy Facility submitted a request for an off-permit modification (Application No. 27813) to the Division to perform a like-kind replacement of the 10.8 MMBtu/hr natural gas fired fuel heater (Unit ID: H001). The new heater kept the same unit ID and functions in the same role at the site as the previous heater. The previous heater was installed in 1999 with a rated heat input capacity of 10.8 million British thermal units per hour and replaced on March 5, 2022 with a 6.0 MMBtu/hr natural gas fired heater.

As a result of the heater replacement, some conditions in the permit are no longer applicable due to changes in the regulatory applicability for the heater. The old heater was subject to the requirements of the federal New Source Performance Standard (NSPS) in 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, since the heater had a heat input capacity greater than 10 MMBtu/hr and was installed after June 9, 1989. The replacement heater has a rated heat input capacity of less than 10 MMBtu/hr, therefore it is not subject to NSPS Subpart Dc and all conditions referencing NSPS will be removed via the modification covered under Application No. 615251.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Modified Emission Units

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
T001	Combustion Turbine	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(nnn) 40 CFR 60 Subpart A 40 CFR 60 Subpart GG Acid Rain, CSAPR**	DLN1	Dry Low NOx Burner
T002	Combustion Turbine	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(nnn) 40 CFR 60 Subpart A 40 CFR 60 Subpart GG Acid Rain, CSAPR**	DLN2	Dry Low NOx Burner
H001	6.0 MMBtu/hr Heater	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	None	None
GEN1	Emergency Generator, 500 KW	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(mmm) 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ	None	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

3.3 Equipment Federal Rule Standards

3.3.6 [Deleted]

3.4 Equipment SIP Rule Standards**MODIFIED CONDITION**

3.4.3 The Permittee shall not discharge, or cause discharge, into the atmosphere from the heater H001 any gases which contain PM in the amount equal to or exceeding **0.5 pounds per million BTU heat input per hour.**
[391-3-1-.02(2)(d)2(i)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

MODIFIED CONDITION

5.2.3 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The cumulative hours of operation of the Heater (H001). Data shall be recorded monthly.
- b. [deleted]
- c. The cumulative operating hours of the emergency generator (GEN1). Data shall be recorded monthly.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.2 Specific Record Keeping and Reporting Requirements

MODIFIED CONDITION

6.2.1 The Permittee shall retain the following records based on monitoring required by Condition Nos. 5.2.2 and 5.2.3. These records (including calculations) shall be maintained as part of the monthly record suitable for inspection of submittal.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The quantity of natural gas, in cubic feet, burned in combustion turbine T001. Data shall be recorded monthly.
- b. The quantity of natural gas, in cubic feet, burned in combustion turbine T002. Data shall be recorded monthly.
- c. The cumulative hours of operation of the Heater (H001). Data shall be recorded monthly.
- d. [deleted]
- e. The cumulative hours of operation of the emergency generator (GEN1). Data shall be recorded monthly.

Title V Permit Amendment

Smarr Energy Facility

Permit No.: 4911-207-0030-V-08-2
